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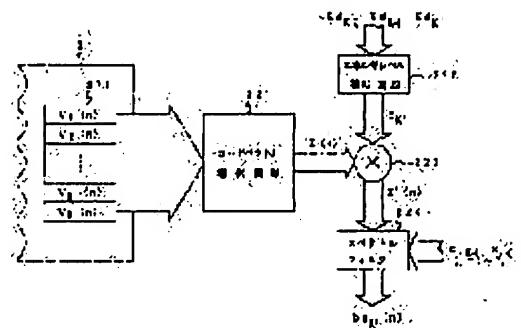
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(54) DIGITAL RADIO COMMUNICATION EQUIPMENT WITH PSEUDO BACKGROUND NOISE GENERATION FUNCTION

(57)Abstract:

PURPOSE: To simplify and miniaturize the circuit constitution of a device by generating pseudo background noise by a simple constitution and a little amount of calculation.

CONSTITUTION: In a code book 211 provided within a sound decoding circuit 21, plural code vectors $V_1(n)$, $V_2(n)$, ..., $V_{M-1}(n)$ and $V_M(n)$ composed of unit variance random Gauss signals are already stored. The code vectors are selectively read from the code book 211 in a silent section by noting that these code vectors $V_1(n)$, $V_2(n)$, ..., $V_{M-1}(n)$ and $V_M(n)$ are not substantially used in the silent section. A psudo background noise signal $b_{nkf}(n)$ is generated by multiplying this code vector $Z(n)$ by the energy level information E_{kf} complemented and corrected by an energy level complement circuit 222 and by letting the vector pass a spectrum filter 224.



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